

## MEETING REPORT

Date: Thursday, September 8, 2005

Time: 1:00 PM to 4:00 PM

Place: U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852  
Room T-9A1

Purpose: To discuss the proposed Field Sampling Plan for Jefferson Proving Ground

Attendees: See Enclosure A

### Background:

In a letter dated May 25, 2005 (See ADAMS ML051520319), the U.S. Army made a request for an alternate decommissioning schedule for submittal of a Decommissioning Plan for the termination of the Jefferson Proving Ground license SUB-1435. The Army is proposing a plan for site characterization to be conducted within 5 years of NRC approval of its request. The details of the site characterization plan and schedule are presented in the Field Sampling Plan (FSP).

### Discussion

The Army presented a high-level summary of its proposed FSP. The U.S. Nuclear Regulatory Commission (NRC) staff asked a number of questions and made several statements:

-Can the Army compress its schedule so that the electrical imaging survey can be started right after the completion of the fracture trace study instead of the proposed nine month delay?

-Can the precipitation monitoring be started sooner than 2007 as more site-specific precipitation data are useful in evaluating the variability of climate?

-The staff feels the Army should consider performing both low-flow and high-flow stream monitoring in addition to its proposed stream flow monitoring because of the potential interrelationship between stream flow, cave stream flow, and groundwater flow. The low-flow monitoring can be used to determine gaining and losing reaches of Big Creek and Middle Fork Creek.

-The staff wants the Army to monitor flow and water quality at stream sites up gradient from the depleted uranium impact area.

Enclosure

-The staff believes the installation of groundwater monitoring wells may need to be performed in phases as the analysis of data from the initial installation of new wells and other available data may indicate that additional monitoring wells need to be installed.

-The staff also recommends that the Army evaluate the feasibility of performing groundwater-surface water tracer tests utilizing selected monitoring wells as injection points. The results of these tracer tests may provide data on the flow relationships between the groundwater, streams, cave streams, and springs.

-The Army indicates that 10-foot screen lengths will be used for new monitoring wells and that all wells will be screened in the bedrock. The staff believes that variable screen lengths may be more appropriate so that screens do not intersect two different hydrogeologic units and that in some cases the wells should be screened in units above the bedrock.

#### Action Items

The NRC staff and the Army agreed that all action items should be completed by October 31, 2005. The responder for the Army will be Paul Cloud.

1. The Army will examine if the schedules for the Electrical Imaging Survey, stream gauging, and precipitation monitoring can be moved forward.
2. The Army will re-evaluate its proposal to use the same screen length for new monitoring wells and whether all wells should be screened at bedrock.
3. The Army will find out the best time of year to have a meeting open to the public at NRC headquarters to discuss past and proposed sampling/monitoring.
4. The Army will submit a Statement of Intent which will cover the entire site characterization period.
5. The Army will reconsider the geophysical logging of wells, characterizing hydrogeologic parameters, and using Geographic Information System procedures.
6. The Army will coordinate the collection of all field parameter data, including groundwater, surface water, and cave water.
7. The Army will include the study of recharge to water bearing units.
8. The Army will clarify what is meant by "conduit wells" and how they will be installed.
9. Tom McLaughlin will contact the Environmental Protection Agency (EPA) to provide clarification of the Memorandum of Understanding between NRC and the EPA and who has the oversight authority for the non-radiological effects of depleted uranium.
10. Jon Peckenpough will contact Paul Cloud about monitoring data south of the firing line.

11. Margaret Bupp or Sara Brock of the Office of General Counsel will set up a teleconference with Kim Gruss and Mike Mullett to discuss the decommissioning process.

Attachment: Meeting Attendees

Docket No.: 040-08838

License No.: SUB-1435

cc: Jefferson Proving Ground Distribution List

### MEETING ATTENDEES

Topic: Discussion of Field Sampling Plan for JPG

Date: September 8, 2005

NAME	AFFILIATION	PHONE NUMBER
Thomas McLaughlin	NRC/NMSS/DWMEP/MDS	301-415-5869
Kimberly Gruss	NRC/NMSS/DWMEP/MDS	301-415-7079
Jon Peckenpaugh	NRC/NMSS/DWMEP/PAS	301-415-6753
Sara Brock	NRC/OGC	301-415-8393
Margaret Bupp	NRC/OGC	301-415-3722
Paul Cloud	U.S. Army	410-436-2381
Fredrick Kopp	U.S. Army	309-782-7951
John Welling	U.S. Army	309-782-8433
Gregory Komp	U.S. Army	703-601-2405
Corinne Shia	SAIC	703-318-6993
Todd Eaby	SAIC	717-901-8823
Joseph Skibinski	SAIC	703-810-8994
Stephen Snyder	SAIC	717-901-8840
Richard Hill	Save the Valley	(call in to conference)
Mike Mullett	Save the Valley	(call in to conference)
Jim Pastorick	Save the Valley	(call in to conference)
Chuck Norris	Save the Valley	(call in to conference)
Diane Henshel	Save the Valley	(call in to conference)
Paul Buska	USGS	(call in to conference)